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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/772,650	01/30/2001	Harm Sluiman	CA920000042US1	1018

25259 7590 02/12/2004

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EXAMINER

KANG, INSUN

ART UNIT	PAPER NUMBER
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2124

DATE MAILED: 02/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/772,650

Applicant(s)

SLUIMAN, HARM

Examiner

Insun Kang

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 1/30/2001 and 3/23/2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 January 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☒ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. This action is in response to the application filed 1/30/2001 and 3/23/2001.
2. Claims 1-8 are pending in the application.

### ***Specification***

3. The use of the trademark JAVA and JAVA BEAN has been noted in this application. It should be capitalized wherever it appears and be accompanied by the generic terminology.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner, which might adversely affect their validity as trademarks.

4. The disclosure is objected to because of the following informalities: there is a spelling error in the use of the word "componeninterface" in the phrase "to mirror the test componeninterface," in page 3 line 18. It is interpreted as "component interface." Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent 6,633,888 to Kobayashi.

The applied reference has a common assignee with the instant application.

Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Per claim 1:

Kobayashi teaches:

- testing a software test component ("testing newly created component classes within the visual builder interface," in col 4 lines 62)
- ascertaining a public interface of the software test component ("once the interface of a bean is known, a programmer can create a new customized component from the base Java bean component," col 7 lines 31-45; see also col 8 lines 33-58; col 8 lines 33-58; col 8 lines 33-58)
- creating a wrapper component for the software test component ("a proxy component is created for each method, including constructors," abstract) by the substeps of defining a

wrapper component interface to mirror the public interface of the software test component ("proxy component encapsulates the parameters of that method. In particular, parameters associated with a method are represented by properties of the proxy component created for that method," col 5 lines 1-9)

- defining the wrapper component to delegate to the software test component ("the bean compiler converts each component into proxy components," col 8 lines 8-19) by including calls to the public interface of the software test component within the wrapper component ("the methods of proxy beans are invoked, they use the universal transport mechanism to invoke the actual component code in order to test the method," col 22 lines 41-53; see also col 12 lines 18-25)
- inserting test code within the wrapper component to permit capture and playback of user interaction with the public interface of the software test component ("The proxy components can be manipulated ... Each composite component in the application can be tested...under control of the proxy components," col 8 lines 8-32)
- enabling a test case to use the wrapper component interface to access the software test component and to generate test data from the test code in the wrapper component ("when the methods of proxy beans are invoked, they use the universal transport mechanism to invoke the actual component code in order to test the method...the method parameters of the original bean are exposed by the proxy components created from the methods of that bean," col 22 lines 46-53).

substantially as claimed.

**Per claim 2:**

The rejection of claim 1 is incorporated, and further, Kobayashi teaches:

- the software test component is an object-oriented software test component ("The beans to be tested," col 22 lines 18-40)
  - interrogating a test component definition to determine public methods, constructor and associated parameters for the software test component ("the parser/extractor ... parses each constructor and each method and extracts any related fields, comments, and parameter name," col 8 lines 33-58)
- as claimed.

**Per claim 3:**

The rejection of claim 2 is incorporated, and further, Kobayashi teaches:

- the test component is a Java language class ("The beans to be tested," col 22 lines 18-40)
  - use of an introspection group of interfaces in a Java Bean specification ("the parser/extractor ... parses each constructor and each method and extracts any related fields, comments, and parameter name," col 8 lines 33-58)
- as claimed.

**Per claim 4:**

The rejection of claim 2 is incorporated, and further, Kobayashi teaches:

- defining public methods, constructors and associated parameters in the wrapper component to mirror the public methods, constructors and parameters determined for the software test component ("Using the extracted constructor information, the compiler module creates and compiles a constructor bean such as beans and ... The compiler ... also creates a method bean from extracted information for each method in the class," col 8 lines 33-58; "a proxy component is created for each method, including constructors ... which proxy component encapsulates the parameters of that method. In particular, parameters associated with a method are represented by properties of the proxy component created for that method," col 5 lines 1-9) as claimed.

**Per claim 5**, this is the computer program product version of claim 1, respectively, and is rejected for the same reasons set forth in connection with the rejection of claim 1 above.

**Per claims 6-8**, they are the system versions of claims 1, 2 and 4, respectively, and are rejected for the same reasons set forth in connection with the rejection of claims 1, 2 and 4 above.

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7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Insun Kang whose telephone number is 703-305-6465. The examiner can normally be reached on M-F 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on 703-305-9662. The fax phone number for the organization where this application or proceeding is assigned is 703-308-3988.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

IK  
1/30/2004



TODD INGBERG  
PRIMARY EXAMINER